

IN THE SPECIFICATION

Please insert the following paragraph on page 6, line 10:

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates characteristic curves for various sensor heads;

FIGS. 2a and 2b respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fibers in the reflectance sensor in which the angle between illumination and receiving fiber(s) is 22° and the angle of inclination of the receiving fiber(s) with respect to the plate axis is 0° ;

FIGS. 3a and 3b respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fiber(s) in the reflectance sensor in which the angle between illumination and receiving fiber(s) is 0° and the angle of inclination of the receiving fiber(s) with respect to the plate axis is 27° ;

FIGS. 4a and 4b, respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fibers in the reflectance sensor in which the angle between illumination and receiving fiber(s) is 56° and the angle of inclination of the illumination fiber(s) with respect to the plate axis is 25° ;

FIG. 5 illustrates an embodiment of a product cell for reflectance measurement on liquid pigment preparations, comprising the sample analysis cell, the measuring window and a holder for the fiber-optic system of the optical unit;

FIG. 6 illustrates an embodiment of what is known as a sheet-metal cell for reflectance measurement on solid pigmented surfaces, comprising the holder for samples which have a solid surface, the measuring window and a holder for the fiber-optic system of the optical unit;

FIG. 7 illustrates an embodiment of what is known as a reference cell for reflectance measurement of the reference standard, comprising the holder for the reference standard, the measuring window and a holder for the fiber-optic system of the optical unit;

FIGS. 8a and 8b respectively illustrate a front view and a plan view of an embodiment of an attenuator;

FIGS. 9a and 9b respectively illustrate a side view and a front view of a system used for reflectance measurement;

FIG. 10 illustrates the result of a reflectance measurement of a mixture of red with white; and

FIGS. 11 and 12 illustrate the results of sensitivity tests where a white coating was mixed with various colored pastes.

Please replace the paragraph on page 13, lines 9-19, with the following paragraph:

In figures 2a and 2b:

- 201 is the adapter for installation
- 202 the measuring window
- 203 the scattering disk (optional)
- 204 the illumination fiber(s)
- 205 the fiber connector for illumination fiber
- 206 the lens holder with lens
- 207 the fiber support with receiving fiber(s)
- 208 the base body, and
- 209 the light trap (optional).

Please replace the paragraph on page 14, lines 5-16, with the following paragraph:

In figures 3a and 3b:

- 301 is the base body
- 302 the measuring window
- 303 the first reflection
- 304 the second reflection
- 305 the beam path in the product
- 306 the fibers

306a the illumination
306b the reception
307 the fiber connector, and
308 the light trap (optional).

Please replace the paragraph on page 15, lines 4-13, with the following paragraph:

In figures 4a and 4b:

401 is the base body
402 the measuring window
403 the first reflection
404 the beam path in the product
405 the illumination fiber(s)
406 the receiving fiber(s)
407 the fiber connector, and
408 the light trap (optional).

Please replace the paragraph on page 21, lines 16-28, with the following paragraph:

Here:

501 is the base plate (mounting plate)
502 the holder for the measuring window
503 the measuring window
504 the holder (guide element) for the system
505 the drip edge
506 the base body of the product cell
507 the product outlet
508 the product inlet
509 the shearing gap
510 the device for changing the shearing gap, and
511 a variable sealing system.

Please replace the paragraph on page 24, lines 1-11, with the following paragraph:

Here:

601 is the base plate (mounting plate)
602 the holder for the measuring window
603 the measuring window
604 the holder (guide element) for the fiber system
605 the drip edge
606 the spacer
607 the solid sample
608 the spring element
609 the pressure element, and
610 the guide rods.

Please replace the paragraph on page 24, lines 19-28, with the following paragraph:

Here:

701 is the base plate (mounting plate)
702 the holder for the measuring window
703 the measuring window
704 the holder (guide element) for the fibers
705 the drip edge
706 the reference cell base body
707 the spacer
708 the reference standard, and
709 the variable pressure system.

Please replace the paragraph on page 26, lines 18-31, with the following paragraph:

Here:

801 is an SMA-bush receiving means

802 the base body
803 a scattering disk (optional)
804 a neutral filter (optional)
805 a conversion filter (optional)
806 an SMA-bush transmitter
807 a clamping device
808 a piston
809 guide rods (optional)
810 a carriage (optional)
811 a drive rod (optional)
812 a motor holder (optional), and
813 a motor (optional).

Please replace the paragraph on page 27, lines 5-19, with the following paragraph:

Here:

901 is the light source
902 spectrometers with an optical attenuator (numbers 1 to at most 8) and amplifier
903 a cooler
904 a PC with AD (analog-digital) converter
905 a pump
906 the product cell
907 the measuring window
908 the fiber holder
909 fibers (preferably glass fibers)
910 the pressure measurement
911 a receiver
912 a stirrer (for example a magnetic stirrer), and
913 the mobile housing.